### **ATTACHEMENT J-3**

### **AHERA REPORT INFORMATION**

**WEST POINT COMMUNITY SCHOOLS** 

**DIRECT DEPENDENT ELEMENTARY AND SECONDARY SCHOOLS** 

WEST POINT, NEW YORK

12 April, 2012



### **SECTION J-3 West Point AHERA Asbestos Reports Information**

AHERA Asbestos Management Plans were completed in 2010. The Management Plan for each school in this Contract is attached as ATTACHEMENT J-3. This attachment is being provided as a separate document because it's size.

## APPENDIX E

## Data Tables 1 through 3

#### TABLE 1 COLUMN HEADING DESCRIPTIONS

**BUILDING NUMBER** - Identifies each building that contains ACM. If the date of construction is known, this information is presented after the building number.

**HOMO. MATRL. NO. (Homogeneous Material Number)** - Numerical designation assigned to each homogeneous material that is uniform in color and texture, serves the same function, and was installed at the same time.

**MATERIAL TYPE/MATERIAL DESCRIPTION** - Brief description of the material, followed by information on distinguishing characteristics which may include function, size, color, shape, etc., if necessary.

**AHERA CAT. (AHERA Category)** - SACM-Surfacing Asbestos-Containing Material; TSIACM-Thermal System Insulation Asbestos-Containing Material; MACM-Miscellaneous Asbestos-Containing Material.

MATERIAL LOCATION(S) - Material locations as confirmed by the most recent inspection. The material location(s) can be referenced to the floor plans in Appendix C. The floor plans indicate room numbers and layouts as they existed at the time of the most recent inspection. If a space within a building was not identified with a room number and materials were determined to be present in that space, the Baker field team assigned the space with a number and recorded this number on the floor plan.

**QTY.** (Quantity) - Defined as linear footage (LF), square footage (SF), or number of each material (EA) contained in a homogeneous area.

**SAMPLE INFORMATION** - Provides information pertinent to the material sample as follows:

- NUMBER A unique identification number assigned to each material sample collected. If the material was not sampled, but rather assumed to be asbestoscontaining, ASSUMED is indicated.
- **DATE** Collection date for the sample.
- RESULT Analytical information provided by the laboratory. For those samples
  which were determined to have asbestos, the percent and type of asbestos is
  identified. The abbreviations used for the analytical results are:

AC = Actinolite CH = Chrysotile

AM = Amosite CR = Crocidolite

AN = Anthophyllite TR = Tremolite

ND = "None Detected" - No asbestos was detected in the sample

The analytical reports for all samples collected during the most recent inspection are included in Appendix D of this report. Analytical reports for samples collected during previous inspections are included with the historical records for this location.

**FRIABLE** - A material is considered friable if, when dry, it may be crumbled, pulverized, or reduced to powder by hand pressure.

**OVERALL CONDITION** - Overall condition of the material is characterized as follows:

- **UNDAMAGED** The material is in visibly good condition with no apparent damage.
- DAMAGED The material exhibits some damaged areas. In the case of localized damage, less than 25% of the material exhibits damage. In the case of distributed damage, less than 10% of the material exhibits damage.

 SIGNIFICANT DAMAGE - The material exhibits extensive damage. In the case of localized damage, equal to or greater than 25% of the material exhibits damage. In the case of distributed damage, equal to or greater than 10% of the material exhibits damage.

**TYPE OF DAMAGE** – This can be deterioration, physical damage (intentional or unintentional), or delamination.

If the material is damaged or significantly damaged, the distribution of the damage will be assessed as either Localized or Distributed.

**ACCESS.** (Accessibility) - A rating placed on a material which considers the accessibility for potential contact. It is ranked into one of three categories:

- HIGH The material is readily accessible to building occupants.
- MED The material is not so readily accessible to building occupants.
- LOW The material is not easily accessible to building occupants.

**POTENTIAL FOR AIR EROSION** - A rating placed on a material which considers the material's exposure to air currents, such as from HVAC system fans. It is ranked into one of three categories:

- HIGH The material is likely to be exposed to air currents.
- MED The material is somewhat likely to be exposed to air currents.
- **LOW** The material is not likely to be exposed to air currents.

**POTENTIAL FOR VIBRATION** - A rating placed on a material which considers the material's exposure to vibration, such as from HVAC system components. It is ranked into one of three categories:

- HIGH The material is likely to be exposed to vibration.
- MED The material is somewhat likely to be exposed to vibration.
- **LOW** The material is not likely to be exposed to vibration.

**POTENTIAL FOR DAMAGE** - A rating placed on a material which considers the accessibility for potential contact, influence of air, and influence of vibration. It is ranked into one of three categories:

- **HIGH** The material is likely to become damaged.
- **MED** The material may become damaged.
- **LOW** The material is not likely to become damaged.

**EPA ASS. CAT. (EPA Assessment Category)** - A damage classification from 1 to 7 as defined by the AHERA for known or suspect ACM:

- 1. Damaged or Significantly Damaged Thermal System Insulating ACM
- Damaged Friable Surfacing ACM
- 3. Significantly Damaged Friable Surfacing ACM
- 4. Damaged or Significantly Damaged Friable Miscellaneous ACM
- 5. ACM with the Potential for Damage
- 6. ACM with a Potential for Significant Damage
- 7. Any Remaining Friable ACM or Friable Suspected ACM
- N/A Any Remaining Material Assessed and Found to be Not Applicable to Any of the Seven Previous Categories

**CLEANING REQUIRED** – In some situations, areas containing friable ACM are required to be cleaned. A Yes or No is indicated in this column.

**RECOMMENDED MANAGEMENT ACTION** - The recommended action based on the EPA assessment category and on the judgment of the inspector based on activities of the occupants. For each asbestos material, at least one of the following management actions pertaining to all or portions of the material will be selected:

- ENCLOSE Installation of an airtight, impermeable, permanent barrier around the ACM.
- ENCAPSULATE Treatment of ACM with a penetrating or surface sealant in order to minimize the potential for fiber release.
- O&M Operations & Maintenance A program of work practices to maintain ACM in good condition, ensure clean-up of asbestos fibers previously released, and prevent further release by minimizing and controlling ACM disturbance or damage.
- REMOVE Removal of ACM from a damaged area, a functional space, or a homogeneous area as indicated.
- REPAIR Returning damaged ACM to an undamaged condition.

**BEGIN DATE / END DATE** – Each school is required to record the beginning and end dates for each recommended management action that is implemented.

**MATERIAL MANAGEMENT PROCEDURE** – For each material where operations and maintenance is recommended, a material-specific procedure is included in Appendix F.

**UNIT COST** - Estimated unit cost associated with each recommended management action. Note that, for any given ACM, there can be more than one unit cost shown, such as when a portion of an ACM needs to be repaired, and the remainder is to be maintained via O&M.

**ESTIMATED QUANTITY** - Estimated quantity of ACM associated with the recommended management action. As described for UNIT COST, there can be more than one estimated quantity shown.

**ESTIMATED COST** – Recommended management action cost obtained by multiplying UNIT COST by ESTIMATED QUANTITY. As described for UNIT COST, there can be more than one estimated cost shown.

**COMMENTS** - Additional comments may be provided to further describe the location or condition of materials, clarify sample results, or elaborate upon the recommended management action.

HOMO MATRI NO.		AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMPLE	INFORM DATE	ATION RESULT	OVERALI CONDITIO	ACCESSIBILITY	POTENTIAL FOR AIR EROSION	POTENTIAL FOR VIBRATION	POTENTIAL FOR DAMAGE	EPA ASS. CAT	CLEANING	RECOMMENDED MANAGEMENT ACTION	BEGIN DATE END DATE	MATERIAL MANAGEMENT PROCEDURE (IF O&M)	UNIT	ESTI- MATED QUANTITY	ESTI- MATED COST	COMMENTS
	DING NUMBER FIREPROOFING (GRAY, FLUFFY TEXTURE)	R: 705B SACM	119		9-01 0102-WES-001A 0102-WES-001B		35% CH 5% CH 5% CH	Y UNDAMAGE	LOW	Low	LOW	LOW	7	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE		SURFACING MATERIAL AND WALL,CEILING OR MISCELLANEOUS TILES		3.00HRS		THIS MATERIAL IS ABOVE THE EXISTING CEILING MATERIAL
002	WALL AND CEILING BOARD (WHITE PAINTED, GRAY HARD SMOOTH SURFACE, GRAY CEMENTITIOUS CORE)		D, M301, 245, 246	428 SF	9-02	10/19/88	45% CH	N UNDAMAGE	MEDIUM	l LOW	LOW	MEDIUM	5	No	ASBESTOS MANAGEMENT PLAN.  1. NO IMMEDIATE ABATEMENT REQUIRED. 2. CONSULT THE 0 & M MANUAL CONCERNING SAFE CUSTODIAL PROCEDURES FOR THIS MATERIAL. 3. CONTINUE SURVEILLANCE OF THIS MATERIAL UNDER THE ASBESTOS MANAGEMENT PLAN.		SURFACING MATERIAL AND WALL,CEILING OR MISCELLANEOUS TILES		3.00HRS		THIS MATERIAL IS LOCATED ON THE CEILINGS OF ROOMS 245 AND 246, THE EAST AND WEST WALLS OF THE ROOM M301, AND NEXT TO WINDOWS ON EAST AND WEST WALLS OF ROOM D. NO JOINT COMPOUND IS ASSOCIATED WITH
035	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' WHITE WITH BLUE STREAKS VINYL FLOOR TILE)		123, 312B, 315, 315A. 316A, 320		1298-WES-035A 1298-WES-035A 1298-WES-035B 1298-WES-035C	12/18/98 12/18/98	4-5% CH* 3% CH NA NA	N UNDAMAGE	tow	LOW	LOW	LOW	5	No	1. NO IMMEDIATE ABATEMENT REQUIRED. 2. CONSULT THE 0 & M MANUAL CONCERNING SAFE CUSTODIAL PROCEDURES FOR THIS MATERIAL. 3. CONTINUE SURVEILLANCE OF THIS MATERIAL UNDER THE ASBESTOS MANAGEMENT PLAN.		FLOOR ADHESIVE (MASTIC)	\$67.50	12.00HRS		THIS MATERIAL.  THIS IS THE ADHESIVE FOR MATERIAL #034.  SAMPLE WAS REANALYZED BY TEM TECHNIQUES AND RESULT WAS > 1% ASBESTOS. THIS MATERIAL IS CONSIDERED TO BE ACM. THIS MATERIAL AND ASSOCIATED FLOOR TILE (MATERIAL #034) ARE LOCATED UNDER LINOLEUM IN ROOMS 213B, 315, AND 315A.
042	ELECTRICAL WIRE INSULATION (WHITE, ROPE-LIKE)		D, 247		1298-WES-042B 1298-WES-042B 1298-WES-042C	12/18/98	60% CH NA NA	N UNDAMAGE	LOW	LOW	LOW	LOW	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		ELECTRICAL WIRE INSULATION	\$67.50	3.00HRS		THIS MATERIAL IS LOCATED ON THE OVERHEAD SPOT LIGHTS. THERE ARE THREE WHEES, THREE FEET IN LENGTH PER FIXTURE, WITH TEN FIXTURES LOCATED OVER THE STAGE AND EIGHT LOCATED OVER THE MULTIPURPOSE ROOM.
089	ASPHALTIC ROOFING MATERIALS (SINGLE-PLY, FLEXIBLE MEMBRANE WITH BALLAST)	MACM	ROOF	13,105 SF	ASSUMED ACM	06/21/07		n undamage	LOW	LOW	LOW	LOW	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		EXTERIOR WEATHERPROOFING MATERIALS	\$67.50	18.00HRS		THIS MATERIAL WAS NOT SAMPLED DUE TO POTENTIAL DAMAGE TO THE ROOF. ALL OF THE COMPONENTS OF THIS ROOFING SYSTEM SHOULD BE SAMPLED PRIOR TO RENOVATION OR REMOVAL OF ANY PART OF THIS ROOF.

### TABLE 1 - SUMMARY OF ASBESTOS-CONTAINING MATERIALS

HOMO.		AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY		E INFORM	ATION	U OVERALL CONDITION	TYPE OF DAMAGE (IF	SSIBILITY	POTENTIAL FOR AIR	POTENTIAL FOR	POTENTIAL FOR	EPA ASS. CAT	ANING	RECOMMENDED MANAGEMENT	GIN DATE	MATERIAL MANAGEMENT PROCEDURE (IF	UNIT COST	ESTI- MATED	ESTI- MATED	COMMENTS
NO.	DESCRIPTION)				NUMBER	DATE	RESULT	K.	APPLICABLE)	ACCES	EROSION	VIBRATION	DAMAGE	CAT	CLE	ACTION	BEGIL	O&M)		QUANTITY	COST	
BUILE	ING NUMBER	R: 705B																				
	ASPHALTIC ROOFING MATERIALS (BUILT-UP WITH BALLAST)	MACM	ROOF	10,200 SF	ASSUMED ACM	06/21/07		N UNDAMAGED		LOW	LOW	LOW	LOW	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		EXTERIOR WEATHERPROOFING MATERIALS	\$67.50	18.00HRS	\$1,215.00	THIS MATERIAL WAS NOT SAMPLED DUE TO POTENTIAL DAMAGE TO THE ROOF. ALL OF THE COMPONENTS OF THIS ROOFING SYSTEM SHOULD BE SAMPLED PRIOR TO RENOVATION OR REMOVAL OF ANY PART OF THIS ROOF.
	CEMENT WALL PANELS (3/8" THICK, GRAY SMOOTH SURFACE, GRAY CORE)	MACM	BUILDING EXTERIOR	336 SF	0607-WES-094A 0607-WES-094B 0607-WES-094C	06/21/07	15% CH 15% CH 18% CH	N UNDAMAGED		MEDIUM	LOW	LOW	LOW	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		ASBESTOS CEMENT ITEMS	\$67.50	3.00HRS	\$202.50	

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HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMPI	LE INFORMAT	ION	COMMENTS
NO.	DESCRIPTION)	JAI.	255411611(6)	<b>QO</b> ZIVIII	NUMBER	DATE	RESULT	OSIMILATO
BUILDI	NG NUMBER: 705B							
005	FLEX CONNECTOR (GREEN CLOTH)	MACM	M301	3ЕА	9-04	10/19/88	ND	THERE ARE TWO RECTANGULAR CONNECTORS AND ONE CIRCULAR CONNECTOR.
006	THERMAL FITTING INSULATION (3" - 5" DIAMETER, WHITE COVER, YELLOW FIBERGLASS CORE)	TSIACM	C210, C211, C212, M301, 246	65EA	9-05 28-5E10 28-5E11 28-5E12	10/19/88 04/12/95 04/12/95 04/12/95	ND ND ND ND	
007	CEILING TILES (2' X 4' WHITE, PINHOLE, FISSURED, SUSPENDED)	MACM	C103, C104, C105, C106, C210, C211, C212, S101.1, S101.2, S102.1, S102.2, 101, 105, 105A, 105B, 106, 107, 108, 115, 116, 123, 201, 204, 205, 207, 210, 212, 215, 218, 221, 224, 227, 230, 233, 236, 239, 244, 300, 300A, 301, 301A, 302, 303, 303A, 304, 304A, 305, 305A, 306, 306A, 307, 307A, 308, 308A, 309, 309A, 310, 310A, 311, 312, 312A, 312B, 313, 314, 315, 315A, 316, 316A, 317, 318, 319	30,000SF	9-06 9-07 9-08 9-09 9-10	10/19/88 10/19/88 10/19/88 10/19/88 10/19/88	ND ND ND ND	
011	CEILING TILES (1' X 1' WHITE, BUMPY LINE PATTERN, GLUED ON)	MACM	S101.1, S101.2, 111	40SF	9.1A-17-1A01	11/23/91	ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #013.
013	CEILING TILE ADHESIVE (TAN, UNDER 1' X 1' WHITE, BUMPY LINE PATTERN CEILING TILES)	MACM	S101.1, S101.2, 111	40SF	9.1A-24-1C03	11/23/91	ND	THIS IS THE ADHESIVE FOR MATERIAL #011.
014	WALL AND CEILING PLASTER (1/4" THICK, WHITE, SMOOTH SURFACE)	SACM	C102, S101.1, S101.2, T201, T202, 104, 105A, 109, 116, 117, 118, 120, 201, 202, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 244, 245, 246, 248, 249, 250, 250A, 321	2,470SF	9.14-10-1D06 9.1A-10-1D04 9.1A-4-1D05 1298-WES-014A 1298-WES-014B 1298-WES-014D 1298-WES-014D	11/23/91 11/23/91 11/23/91 12/18/98 12/18/98 12/18/98 12/18/98 12/18/98	ND ND ND ND ND ND ND	THE UNDER COAT PLASTER FOR THIS MATERIAL IS MATERIAL #062.
015	SINK COATING (BROWN)	MACM	201, 204, 205, 207, 210, 215, 218, 221, 224, 227, 230, 233, 236, 239	14EA	9-48	10/19/88	ND	THIS MATERIAL IS LOCATED ON THE UNDERSIDE OF SMALL STAINLESS STEEL SINKS.
017	SINK COATING (BLACK)	MACM	316	1EA	9.1-12-5A01	04/12/95	ND	

HOMO. MATRL.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMPI	LE INFORMAT	TON	COMMENTS
NO.	DESCRIPTION)	<b>3</b> .1.	200/11011(0)	QOANTI I	NUMBER	DATE	RESULT	O SIMILATIO
BUILDI	NG NUMBER: 705B	}						
018	COVE BASE (4" GRAY VINYL)	MACM	C101, C102, C103, C104, C105, S101.1, S101.2, S102.1, S102.2, 100, 100A, 101, 105, 105A, 105B, 106, 107, 108, 115, 116, 300, 301, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 312A, 315, 315A, 316, 316A, 317, 318, 319, 320	3,700LF	9.1-12-5B05 9.1-4-5B02 9.1-5-5B03 9.1-5-5B04	04/12/95 04/12/95 04/12/95 04/12/95	ND ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #023.
020	SINK COATING (WHITE)	MACM	300, 301, 303, 304, 305, 306, 307, 308, 312, 312A	10EA	9.1-12-5D07 9.1-12-5D08 9.1-12-5D09	04/12/95 04/12/95 04/12/95	ND ND ND	
023	COVE BASE ADHESIVE (YELLOW, UNDER 4" GRAY VINYL COVE BASE)	MACM	C101, C102, C103, C104, C105, S101.1, S101.2, S102.1, S102.2, 100, 100A, 101, 105, 105A, 105B, 106, 107, 108, 115, 116, 300, 301, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 312A, 315, 315A, 316, 316A, 317, 318, 319, 320	3,700LF	9.1-4-5G13 9.1-4-5G14 9.1-4-5G15 9.1-4-5G16	04/12/95 04/12/95 04/12/95 04/12/95	ND ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #018.
024	COVE BASE (4" DARK GRAY VINYL)	MACM	201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 221, 222, 224, 225, 227, 228, 230, 231, 233, 234, 236, 237, 239, 240, 244	2,100LF	9.1-5-5H17 9.1-5-5H18 9.1-5-5H19 9.1-5-5H20	04/12/95 04/12/95 04/12/95 04/12/95	ND ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #025.
025	COVE BASE ADHESIVE (BROWN, UNDER 4" DARK GRAY VINYL COVE BASE)	MACM	201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 221, 222, 224, 225, 227, 228, 230, 231, 233, 234, 236, 237, 239, 240, 244	2,100LF	9.1-24-5 23 9.1-24-5 24 9.1-5-5 21 9.1-5-5 22	04/12/95 04/12/95 04/12/95 04/12/95	ND ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #024.
026	COVE BASE (6" DARK GRAY VINYL)	MACM	C210, C211, C212	688LF	9.1-24-5J25 9.1-24-5J26 9.1-24-5J27	04/12/95 04/12/95 04/12/95	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #027.
027	COVE BASE ADHESIVE (YELLOW, UNDER 6" DARK GRAY VINYL COVE BASE)	MACM	C210, C211, C212	688LF	9.1-24-5K28 9.1-24-5K29 9.1-24-5K30	04/12/95 04/12/95 04/12/95	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #026.
028	STAGE CURTAINS (BEIGE)	MACM	D, E	250SF	9.1-2-5L31	04/12/95	ND	
029	STAGE CURTAINS (BROWN)	MACM	D, E	900SF	9.1-2-5M32	04/12/95	ND	
030	WALL PLASTER (1/2" THICK, WHITE, ROUGH SURFACE)	SACM	BUILDING EXTERIOR	700SF	9-11 0102-WES-030A 0102-WES-030B	10/19/88 01/23/02 01/23/02	ND ND ND	

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	TION	COMMENTS
NO.	DESCRIPTION)	on.	255411511(5)	QOARTITI	NUMBER	DATE	RESULT	COMMENTO
BUILDI	ING NUMBER: 705B							
032	CEILING ROUGH FINISH (WHITE, ROUGH SURFACE)	SACM	C101, S102.1, S102.2, 100, 100A	850SF	1298-WES-032A 1298-WES-032B 1298-WES-032C	12/18/98 12/18/98 12/18/98	ND ND ND	
033	BREECHING/STACK INSULATION (TAN CAULKING ON BOILER BREECHING STACK)	TSIACM	119	4LF	1298-WES-033A 1298-WES-033B 1298-WES-033C	12/18/98 12/18/98 12/18/98	ND ND ND	
034	VINYL FLOOR TILE (1' X 1' WHITE WITH BLUE STREAKS)	MACM	123, 312B, 315, 315A, 316A, 320	1,416SF	1298-WES-034A 1298-WES-034B 1298-WES-034C	12/18/98 12/18/98 12/18/98	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #035. THIS MATERIAL AND ASSOCIATED FLOOR ADHESIVE (MATERIAL #035) ARE LOCATED UNDER LINOLEUM IN ROOMS 213B, 315, AND 315A.
037	THERMAL FITTING INSULATION (WHITE MUD FITTING)	TSIACM	C104, 104, 105, 105B, 115, 116	28EA	1298-WES-037A 1298-WES-037B 1298-WES-037C	12/18/98 12/18/98 12/18/98	ND ND ND	THIS MATERIAL IS LOCATED ABOVE SUSPENDED CEILING TILES.
038	SUBFLOOR MATERIAL (WHITE LEVELING COMPOUND)	MACM	108, 201, 204, 205, 207, 210, 212, 215, 218, 221, 224, 227, 230, 233, 236, 239	60SF	1298-WES-038A 1298-WES-038B 1298-WES-038C	12/18/98 12/18/98 12/18/98	ND ND ND	THIS MATERIAL IS LOCATED AT DOORWAYS.
039	WALLBOARD (1/2" THICK, WHITE, CHALKY SURFACE, TAN PAPER, WHITE CORE)	MACM	C103, C105, C106, C211, C212, S101.1, S101.2, S102.1, S102.2, 105, 107, 107A, 108, 247, 300, 306, 308, 309	1,490SF	1298-WES-039A 1298-WES-039B 1298-WES-039C	12/18/98 12/18/98 12/18/98	ND ND ND	THE JOINT COMPOUND FOR THIS MATERIAL IS MATERIAL #043.
043	JOINT COMPOUND (WHITE)	MACM	C103, C105, C106, C211, C212, S101.1, S101.2, S102.1, S102.2, 105, 107, 107A, 108, 247, 300, 306, 308, 309	149SF	0102-WES-043A 0102-WES-043B 0102-WES-043C	01/23/02 01/23/02 01/23/02	ND ND ND	THIS IS THE JOINT COMPOUND FOR MATERIAL #039.
046	WALL AND CEILING BOARD (1/2" THICK, WHITE SURFACE, GRAY PAPER, WHITE CORE)	MACM	100, 100A, 301, 303, 304, 305, 307, 310, 311, 312	920SF	0102-WES-046A 0102-WES-046B 0102-WES-046C	01/23/02 01/23/02 01/23/02	ND ND ND	THE JOINT COMPOUND FOR THIS MATERIAL IS MATERIAL #047.
047	JOINT COMPOUND (WHITE)	MACM	100, 100A, 301, 303, 304, 305, 307, 310, 311, 312	92SF	0102-WES-047A 0102-WES-047B 0102-WES-047C	01/23/02 01/23/02 01/23/02	ND ND ND	THIS IS THE JOINT COMPOUND FOR MATERIAL #046.
048	CAULK (DARK ORANGE)	MACM	105, 115, 116, 300, 300A, 303, 303A, 304, 304A, 305, 305A, 306, 306A, 307, 307A, 308, 308A, 309, 310, 311, 315	668LF	0102-WES-048A 0102-WES-048B 0102-WES-048C	01/23/02 01/23/02 01/23/02	ND ND ND	THIS MATERIAL IS LOCATED ON THE SEAMS OF THE METAL DUCTWORK ABOVE THE SUSPENDED CEILINGS.

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	TON	COMMENTS
NO.	DESCRIPTION)	OAT.	ESSATION(S)	QOARTIT	NUMBER	DATE	RESULT	COMMENTO
BUII DI	NG NUMBER: 705B							
050	CEILING BOARD (1/2" THICK, WHITE SURFACE, BROWN PAPER, WHITE CORE)	MACM	119	450SF	0102-WES-050A 0102-WES-050B 0102-WES-050C	01/23/02 01/23/02 01/23/02	ND ND ND	THE JOINT COMPOUND FOR THIS MATERIAL IS MATERIAL #051.
051	JOINT COMPOUND (WHITE)	MACM	119	45SF	0102-WES-051A 0102-WES-051B 0102-WES-051C	01/23/02 01/23/02 01/23/02	ND ND ND	THIS IS THE JOINT COMPOUND FOR MATERIAL #050.
057	WINDOWSILLS (1" THICK, BLACK 6" X 36" PANELS)	MACM	C105, 300, 301, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 315, 315A	71EA	0404-WES-057A 0404-WES-057B 0404-WES-057C	04/27/04 04/27/04 04/27/04	ND ND ND	
058	VINYL FLOOR TILE (1' X 1' WHITE WITH BLUE SPOTS)	MACM	S101.1, S101.2, 111, 114, 221, 222, 309, 310, 311	2,150SF	0404-WES-058A 0404-WES-058B 0404-WES-058C	04/27/04 04/27/04 04/27/04	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #059.
059	FLOOR ADHESIVE (GRAY, UNDER 1' X 1' WHITE WITH BLUE SPOTS VINYL FLOOR TILE)	MACM	S101.1, S101.2, 111, 114, 221, 222, 309, 310, 311	2,150SF	0404-WES-059A 0404-WES-059B 0404-WES-059C	04/27/04 04/27/04 04/27/04	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #058.
060	COVE BASE (4" LIGHT BLUE VINYL)	MACM	\$101.1, \$101.2, 101, 105, 105A, 105B, 106, 107, 107A, 108, 111, 115, 116, 201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 224, 225, 230, 231, 233, 234, 236, 237, 239, 240, 244, 245, 246, 247, 300, 301, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 315, 315A, 316, 317, 318, 319	3,500LF	0404-WES-060A 0404-WES-060B 0404-WES-060C	04/27/04 04/27/04 04/27/04	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #061.
061	COVE BASE ADHESIVE (TAN, UNDER 4" LIGHT BLUE VINYL COVE BASE)	MACM	\$101.1, \$101.2, 101, 105, 105A, 105B, 106, 107, 107A, 108, 111, 115, 116, 201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 224, 225, 230, 231, 233, 234, 236, 237, 239, 240, 244, 245, 246, 247, 300, 301, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 315, 315A, 316, 317, 318, 319	3,500LF	0404-WES-061A 0404-WES-061B 0404-WES-061C	04/27/04 04/27/04 04/27/04	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #060.
062	WALL AND CEILING PLASTER (GRAY, UNDERCOAT ON METAL GRID)	SACM	C102, S101.1, S101.2, T201, T202, 104, 105A, 109, 116, 117, 118, 120, 201, 202, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 244, 245, 246, 248, 249, 250, 250A, 321	2,470SF	0404-WES-062A 0404-WES-062B 0404-WES-062C 0404-WES-062D 0404-WES-062E	04/27/04 04/27/04 04/27/04 04/27/04 04/27/04	ND ND ND ND	THIS IS THE PLASTER UNDERCOAT FOR MATERIAL #014.

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	TION	COMMENTS
NO.	DESCRIPTION)	OAT.	ESSATION(S)	QOARTIT	NUMBER	DATE	RESULT	OSIMILATO
BUILDI	ING NUMBER: 705B							
063	SHEET GASKET (4" - 8" DIAMETER, RED, ON PIPE FLANGE CONNECTIONS)	MACM	119	6EA	0404-WES-063A 0404-WES-063B 0404-WES-063C	04/27/04 04/27/04 04/27/04	ND ND ND	
066	CEMENT FLOORING (OFF-WHITE WITH BLACK SPECKS)	MACM	C104, C210, C211, C212, S101.1, S101.2, S102.1, S102.2	2,700SF	0404-WES-066A 0404-WES-066B 0404-WES-066C	04/27/04 04/27/04 04/27/04	ND ND ND	
067	CEMENT FLOORING (WHITE WITH GRAY AND BLACK PEBBLE)	MACM	C102, C105, C106	3,200SF	0404-WES-067A 0404-WES-067B 0404-WES-067C	04/27/04 04/27/04 04/27/04	ND ND ND	
081	VINYL FLOOR TILE (1' X 1' LIGHT BLUE MOTTLED)	MACM	C202, C205, C206, C207, C208, C209, 004, 005, 011, 012, 015, 016, 016A, 019, 019A, 020, 101, 105, 105A, 105B, 106, 107, 107A, 108, 115, 116, 201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 224, 225, 227, 228, 230, 231, 233, 234, 236, 237, 239, 240, 244, 245, 246, 247, 300, 301, 303, 304, 305, 306, 307, 308, 309, 309A, 310, 310A, 311, 312, 317, 318, 319	38,940SF	0607-WES-081A 0607-WES-081B 0607-WES-081C	06/21/07 06/21/07 06/21/07	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #082.
082	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' LIGHT BLUE MOTTLED VINYL FLOOR TILE)	MACM	C202, C205, C206, C207, C208, C209, 004, 005, 011, 012, 015, 016, 016A, 019, 019A, 020, 101, 105, 105A, 105B, 106, 107, 107A, 108, 115, 116, 201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 224, 225, 227, 228, 230, 231, 233, 234, 236, 237, 239, 240, 244, 245, 246, 247, 300, 301, 303, 304, 305, 306, 307, 308, 309, 309A, 310, 310A, 311, 312, 317, 318, 319	38,940SF	0607-WES-082A 0607-WES-082B 0607-WES-082C	06/21/07 06/21/07 06/21/07	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #081.
083	CEILING TILES (2' X 2' WHITE, ROUGH SURFACE, SUSPENDED)	MACM	011, 012, 015, 016, 019, 020	4,704SF	0607-WES-083A 0607-WES-083B 0607-WES-083C	06/21/07 06/21/07 06/21/07	ND ND ND	
084	COVE BASE ADHESIVE (TAN, UNDER 3" DARK GRAY VINYL COVE BASE)	MACM	C202, 004, 005, 011, 012, 015, 016, 019, 020	665LF	0607-WES-084A 0607-WES-084B 0607-WES-084C	06/21/07 06/21/07 06/21/07	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #085.
085	COVE BASE (3" DARK GRAY VINYL)	MACM	C202, 004, 005, 011, 012, 015, 016, 019, 020	665SF	0607-WES-085A 0607-WES-085B 0607-WES-085C	06/21/07 06/21/07 06/21/07	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #084.

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	TION	COMMENTS
NO.	DESCRIPTION)	OAI.	255411511(5)	QOANTIT	NUMBER	DATE	RESULT	SSIMMENTS
BUILD	NG NUMBER: 705B							
086	WALL AND CEILING BOARD (1/2" THICK, GREEN SURFACE, WHITE CORE)	MACM	C201, C202, C203, C204, C205, C206, C207, C208, C209, T203, T204, T205, 004, 005, 016A, 019A	4,320SF	0607-WES-086A 0607-WES-086B 0607-WES-086C	06/21/07 06/21/07 06/21/07	ND ND ND	THE JOINT COMPOUND FOR THIS MATERIAL IS MATERIAL #087.
087	JOINT COMPOUND (WHITE)	MACM	C201, C202, C203, C204, C205, C206, C207, C208, C209, T203, T204, T205, 004, 005, 016A, 019A	432SF	0607-WES-087A 0607-WES-087B 0607-WES-087C	06/21/07 06/21/07 06/21/07	ND ND ND	THIS IS THE JOINT COMPOUND FOR MATERIAL #086.
088	SINK COATING (WHITE, ROUGH SURFACE)	MACM	011, 012, 015, 016, 019, 020	6EA	0607-WES-088A 0607-WES-088B 0607-WES-088C	06/21/07 06/21/07 06/21/07	ND ND ND	
093	CAULK (GRAY WINDOW FRAMING)	MACM	ROOF	3LF	0607-WES-093A 0607-WES-093B 0607-WES-093C	06/21/07 06/21/07 06/21/07	ND ND ND	
BUILD	ING NUMBER: X705	A						
077	ASPHALTIC ROOFING MATERIALS (BLACK SHINGLES)	MACM	ROOF	154SF	0607-WMS-077A 0607-WMS-077B 0607-WMS-077C	06/21/07 06/21/07 06/21/07	ND ND ND	
<b>BUILD</b> 092	ING NUMBER: X705 ASPHALTIC ROOFING MATERIALS (BLACK SHINGLES)	B(A) MACM	ROOF	100SF	0607-WES-092A 0607-WES-092B 0607-WES-092C	06/21/07 06/21/07 06/21/07	ND ND ND	

### TABLE 3 - SUMMARY OF PREVIOUSLY IDENTIFIED MATERIALS THAT COULD NOT BE LOCATED

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QTY.	SAMPL	E INFORMAT	ION	COMMENTS
NO.	DESCRIPTION)	OKI.	ESSATION(S)	QII.	NUMBER	DATE	RESULT	O SIMILATO
BUILDI	NG NUMBER: 70	5B						
003	FLOOR ADHESIVE (BLACK, UNDER 9" X 9" BEIGE WITH BROWN STREAKS, 1' X 1' GRAY WITH WHITE AND BLACK STREAKS, AND 9" X 9" TAN WITH WHITE STREAKS VINYL FLOOR TILES)	MACM	\$101.1, \$101.2, 101, 105, 105A, 105B, 106, 107, 108, 115, 116, 201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 221, 222, 224, 225, 227, 228, 230, 231, 233, 234, 236, 237, 239, 240, 244, 245, 246, 247, 317, 318, 319	20,000 SF	9-03 1298-WES-003A 1298-WES-003B 1298-WES-003C	10/19/88 12/18/98 12/18/98 12/18/98	ND 5% CH NA NA	THIS IS THE ADHESIVE FOR MATERIALS #010, #040, AND #041. THE VINYL FLOOR TILE HAS BEEN REMOVED FROM ROOMS 224, 225, 244, 317, 318, AND 319. THIS MATERIAL IS LOCATED BELOW CARPETING. ALL OF THIS MATERIAL WAS REPORTED TO HAVE BEEN REMOVED PRIOR TO JANUARY 2006. NO OTHER INFORMATION WAS PROVIDED.
004	THERMAL PIPE INSULATION (PIPE INSULATION MUD)	TSIACM	100	0 LF	9-51	10/19/88	5% CH	5 LF OF THIS MATERIAL WERE REMOVED IN 1992. THE REINSPECTION TEAM LOCATED ONLY FIBERGLASS INSULATION IN THE LISTED LOCATION.
008	SINK COATING (BLACK, ROUGH SURFACE)	MACM	106, 201, 204, 205, 207, 210, 212, 215, 218, 221, 224, 227, 230, 233, 236, 239	16 EA	9-53	10/19/88	5% CH	THIS MATERIAL IS LOCATED ON THE LARGE STAINLESS STEEL SINKS. ALL OF THIS MATERIAL WAS REPORTED TO HAVE BEEN REMOVED PRIOR TO JANUARY 2006. NO OTHER INFORMATION WAS PROVIDED.
009	COVE BASE (COVE BASE MOLDINGS)	MACM	C102, C104, C105, C210, C211, C212	17,000 SF	9-49	10/19/88	ND	AT THE TIME OF THE 2001 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
010	VINYL FLOOR TILE (9" X 9" BEIGE WITH BROWN STREAKS)	MACM	101, 105, 105A, 105B, 106, 107, 108, 115, 116, 201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 221, 222, 227, 228, 230, 231, 233, 234, 236, 237, 239, 240, 245, 246, 247	17,301 SF	1298-WES-010A 1298-WES-010A 1298-WES-010B 1298-WES-01C	12/18/98 12/18/98 12/18/98 12/18/98	2-3% CH * 3% CH NA NA	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #003. THIS MATERIAL IS LOCATED BELOW EXISTING CARPET AND/OR FLOORING MATERIALS IN SOME LISTED LOCATIONS. "SAMPLE WAS REANALYZED BY TEM TECHNIQUES AND RESULT WAS >1% ASBESTOS. THIS MATERIAL IS CONSIDERED TO BE ACM. ALL OF THIS MATERIAL WAS REPORTED TO HAVE BEEN REMOVED PRIOR TO JANUARY 2006. NO OTHER INFORMATION WAS PROVIDED.
012	CEILING TILES (1' X 1' WHITE, BUMPY LINE, RANDOM PINHOLE PATTERN)	MACM	C102, C104, C105, C210, C211, C212	0 SF	9.1A-17-1B02	11/23/91	ND	AT THE TIME OF THE 2001 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
016	SHEET GASKET (ON BOILER)	MACM	119	0 EA	ASSUMED ACM	11/23/91		2 OF THESE GASKETS WERE REMOVED IN 1992 WHEN THE BOILERS WERE REFURBISHED.
019	SINK COATING (PINK)	MACM	311	1 EA	9.1-12-5C06	04/12/95	13% CH	AT THE TIME OF THE 2001 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.

### TABLE 3 - SUMMARY OF PREVIOUSLY IDENTIFIED MATERIALS THAT COULD NOT BE LOCATED

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QTY.	SAMPL	E INFORMAT	ION	COMMENTS
NO.	DESCRIPTION)	<b>5</b>	200/(0)	;	NUMBER	DATE	RESULT	
BUILDI	NG NUMBER: 70	5B						
031	LAMP REFLECTORS (WHITE WITH FOIL BACK)	MACM	120	1 EA	1298-WES-031A 1298-WES-031B 1298-WES-031C	12/18/98 12/18/98 12/18/98	50% CH NA NA	THIS MATERIAL WAS REMOVED IN JUNE 2002.
036	FLOOR ADHESIVE (YELLOW, UNDER BLUE CARPETING)	MACM	\$101.1, \$101.2, 101, 105, 105A, 105B, 106, 107, 108, 115, 116, 201, 202, 204, 205, 206, 207, 208, 210, 211, 212, 213, 215, 216, 218, 219, 221, 222, 224, 225, 227, 228, 230, 231, 233, 234, 236, 240, 244, 245, 246, 300, 301, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 316, 317, 318, 319	16,700 SF	1298-WES-036A 1298-WES-036B 1298-WES-036C	12/18/98 12/18/98 12/18/98	ND ND ND	AT THE TIME OF THE 2007 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
040	VINYL FLOOR TILE (1' X 1' GRAY WITH WHITE AND BLACK STREAKS)	MACM	247	132 SF	1298-WES-040A 1298-WES-040A 1298-WES-040B 1298-WES-040C	12/18/98 12/18/98 12/18/98 12/18/98	24-29% CH * 2% CH NA NA	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #003. THIS MATERIAL IS LOCATED ALONG THE PERIMETER OF THE ROOM. *SAMPLE WAS REANALYZED BY TEM TECHNIQUES AND RESULT WAS >1% ASBESTOS. THIS MATERIAL IS CONSIDERED TO BE ACM. ALL OF THIS MATERIAL WAS REPORTED TO HAVE BEEN REMOVED PRIOR TO JANUARY 2006. NO OTHER INFORMATION WAS PROVIDED.
041	VINYL FLOOR TILE (9" X 9" TAN WITH WHITE STREAKS)	MACM	247	150 SF	1298-WES-041A 1298-WES-041B 1298-WES-041C	12/18/98 12/18/98 12/18/98	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #003. THIS MATERIAL IS USED AS A TRIM ACCENT IN THE CENTER OF THE ROOM. ALL OF THIS MATERIAL WAS REPORTED TO HAVE BEEN REMOVED PRIOR TO JANUARY 2006. NO OTHER INFORMATION WAS PROVIDED.
049	SHEET GASKET (WHITE)	MACM	119	6 EA	0102-WES-049A 0102-WES-049B 0102-WES-049C	01/23/02 01/23/02 01/23/02	5% CH ND 75% CH	THIS MATERIAL WAS REMOVED IN JUNE 2002.
052	THERMAL FITTING INSULATION (WHITE)	TSIACM	123	1 EA	0102-WES-052A 0102-WES-052B 0102-WES-052C	01/23/02 01/23/02 01/23/02	8% CH 5% CH 4% CH	THIS MATERIAL WAS REMOVED IN JUNE 2002.
064	VINYL FLOOR TILE (1' X 1' MAUVE MOTTLED WITH GRAY)	MACM	247	16 SF	0404-WES-064A 0404-WES-064B 0404-WES-064C	04/27/04 04/27/04 04/27/04	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #065. ALL OF THIS MATERIAL WAS REPORTED TO HAVE BEEN REMOVED PRIOR TO JANUARY 2006. NO OTHER INFORMATION WAS PROVIDED.
065	FLOOR ADHESIVE (TAN, UNDER 1' X 1' MAUVE MOTTLED WITH GRAY VINYL FLOOR TILE)	MACM	247	16 SF	0404-WES-065A 0404-WES-065B 0404-WES-065C	04/27/04 04/27/04 04/27/04	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #064. ALL OF THIS MATERIAL WAS REPORTED TO HAVE BEEN REMOVED PRIOR TO JANUARY 2006. NO OTHER INFORMATION WAS PROVIDED.

## Operations and Maintenance Procedures for ACM

MATERIAL MANAGEMENT PROCEDURE FOR: Asbestos Cement Items (e.g., non-friable

heat shields, roofing, transite, firedampers, shutters, louvers)

**INITIAL AND ADDITIONAL CLEANING:** Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Refer to requirements in Section 3.2.1

**MAINTENANCE AND REPAIR PROCEDURES:** 

Damaged asbestos cement items such as heat shields, roofing, transite, firedampers, and other similar materials should be replaced rather than repaired. Repair of damaged areas 1.0 square meter or less in size must be conducted if immediate removal and replacement is not feasible. Material management actions for areas greater than 1.0 square meter in

size must be designed and conducted by qualified personnel.

<u>Removal:</u> To remove 1.0 square meter or 1.0 linear meter or less of asbestos cement materials:

Thoroughly wet all surfaces, especially edges, using a spray bottle

Carefully remove material using only hand tools

Clean up area in accordance with Appendix G

Dispose of all debris in accordance with Section 3.2.6

<u>Repair of Surface Areas:</u> Repair of less than 1.0 square meter of asbestos cement surface on floor, wall, or ceiling areas may be repaired by application of non-asbestos cement or other similar patching compound.

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage asbestos cement materials. For example:

Do <u>NOT</u> cut, saw, or drill holes in asbestos cement products

Do <u>NOT</u> use power tools

Do <u>NOT</u> use abrasive materials on asbestos cement products

Do <u>NOT</u> use an ordinary vacuum or dry sweeping to clean up debris

MATERIAL MANAGEMENT PROCEDURE FOR: Electrical Wire Insulation

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Not Applicable

#### **MAINTENANCE AND REPAIR PROCEDURES:**

Damaged electrical wiring should be replaced rather than repaired.

Removal: To remove building electrical wiring:

- Active electrical wiring should not be removed
- Shut off electricity
- Clean work area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage electrical wiring:

Normal electrical safety procedures should be followed

**MATERIAL MANAGEMENT PROCEDURE FOR:** Exterior Weatherproofing Materials

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Refer to requirements in Section 3.2.1

#### **MAINTENANCE AND REPAIR PROCEDURES:**

The following procedures must be followed to protect building occupants if weatherproofing materials require maintenance or repair. These procedures apply only to activities involving 1.0 square meter or less of material.

Repair: To repair damaged area:

Patch holes, gouges or rips with compatible non-asbestos patching material

Paint repaired area with exterior grade latex paint

Clean work area in accordance with Appendix G

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage weatherproofing materials. For example:

Do <u>NOT</u> cut, saw, or drill material

Do NOT walk or stand on surfaces covered with weatherproofing

 Do <u>NOT</u> lean ladder or scaffolds against surfaces covered by weatherproofing materials MATERIAL MANAGEMENT PROCEDURE FOR: Floor Adhesive (Mastic)

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

SURVEILLANCE: Refer to requirements in Section 3.2.9

LABELING: Not Applicable

#### MAINTENANCE AND REPAIR PROCEDURES:

Projects accomplished by trained personnel should not exceed 1.0 square meter.

Removal: To remove floor tile adhesive:

Soak material with hot water

- Remove damaged overlying tile with hand tools
- Remove adhesive material with hand tools
- Clean work area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage floor adhesive:

- Never dry-grind floor adhesive
- Never dry-scrape floor adhesive

MATERIAL MANAGEMENT PROCEDURE FOR: Surfacing Material and Wall, Ceiling, or

Miscellaneous Tiles

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

ASSOCIATED CLEANING:

In areas where friable sprayed-on or troweled-on ceiling or wall materials are located,

special cleaning procedures must be followed until all ACM has been removed.

Four times each year, all rugs and carpets must be vacuumed with a HEPA filtered

vacuum and then steam cleaned

All non-carpeted floors should be damp-mopped daily

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

**LABELING:** Refer to requirements in Section 3.2.1

MAINTENANCE AND REPAIR PROCEDURES:

The following procedures must be followed to protect building occupants if wall or ceiling

surfacing materials or tiles require maintenance or repair. These procedures apply only to

activities involving 1.0 square meter or less of surfacing material.

1. Surfacing Material, Wall, or Ceiling (other than sprayed or troweled-on)

Repair: To repair damaged areas:

Patch holes with non-asbestos spackle or joint compound

Paint repaired surface with latex paint

Clean work area in accordance with Appendix G

Dispose of all debris in accordance with Section 3.2.6

#### 2. Sprayed-on or Troweled-on Surfacing Material

<u>Repair:</u> To repair delaminated areas, the material should be removed according to the following procedures:

- Restrict access to area and conduct repair when building is not occupied
- Place a large disposable plastic sheet below delaminated area
- Spray affected area with water from a spray bottle
- Carefully remove loose or delaminated material with a putty knife and place into plastic bags
- Encapsulate scraped wall or ceiling with spray lacquer, being careful not to disturb intact material
- Clean work area in accordance with Appendix G
- Dispose of all debris and contaminated material in accordance with Section 3.2.6

Surface blemishes should be repaired according to the following procedures:

- Place a large disposable plastic sheet below affected area
- Lightly spray affected area with lacquer paint
- Clean work area in accordance with Appendix G
- Dispose of debris in accordance with Section 3.2.6

#### 3. <u>Acoustical Wall or Ceiling Tile:</u>

<u>Repair:</u> Repair of acoustical tile is normally not required except for patching of small holes or abrasions to be covered for cosmetic reasons. Spray paint or putty can be applied to the damaged area.

Removal of Suspended Tile: To remove suspended acoustical tile:

- Wet tile using a spray bottle
- Carefully remove tile from metal grid

- Clean work area in accordance with Appendix G
- Dispose of tile in accordance with Section 3.2.6

Removal of Glued Tile: To remove glued acoustical tile from ceilings or wall:

- Wet tile using a spray bottle
- Carefully remove tile with a stiff-blade putty knife
- Keep all cut surfaces and edges damp using spray bottle
- Encapsulate remaining glue and adhered tile with latex paint
- Clean work area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6
- 4. <u>Miscellaneous Tile Materials:</u> These materials should be removed and replaced when damaged. Repair is not recommended.

<u>Removal of Miscellaneous Tile Materials:</u> To remove 1.0 square meter or less of miscellaneous tile materials:

- Thoroughly wet all surfaces, especially edges, using a spray bottle
- Carefully remove material using only hand tools
- Clean up area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6
- 5. For All Surfacing and Ceiling, Wall, or Miscellaneous Tile Materials:

<u>Prevent Damage:</u> Damage to surfacing material can be prevented by one or more of the following:

- Eliminate or minimize vibration to covered surfaces
- Eliminate airflow from ventilation ducts over or against surfaces
- Protect exposed areas from damage by barriers or protective guards
- Restrict activities which may result in impact damage to surfaces

Restricted Activities: Maintenance staff must avoid activities that will damage surfacing material. For example:

- Do <u>NOT</u> cut, saw, or drill holes in surfaces
- Do <u>NOT</u> damage intact material
- Do <u>NOT</u> hang or attach objects such as pictures, plant hangers or shelves from surface
- Do <u>NOT</u> spray surfaces with water for cleaning
- Do <u>NOT</u> use an ordinary vacuum or dry sweeping to clean debris

## APPENDIX E

## Data Tables 1 through 3

#### **TABLE 1 COLUMN HEADING DESCRIPTIONS**

**BUILDING NUMBER** - Identifies each building that contains ACM. If the date of construction is known, this information is presented after the building number.

**HOMO. MATRL. NO. (Homogeneous Material Number)** - Numerical designation assigned to each homogeneous material that is uniform in color and texture, serves the same function, and was installed at the same time.

**MATERIAL TYPE/MATERIAL DESCRIPTION** - Brief description of the material, followed by information on distinguishing characteristics which may include function, size, color, shape, etc., if necessary.

**AHERA CAT. (AHERA Category)** - SACM-Surfacing Asbestos-Containing Material; TSIACM-Thermal System Insulation Asbestos-Containing Material; MACM-Miscellaneous Asbestos-Containing Material.

MATERIAL LOCATION(S) - Material locations as confirmed by the most recent inspection. The material location(s) can be referenced to the floor plans in Appendix C. The floor plans indicate room numbers and layouts as they existed at the time of the most recent inspection. If a space within a building was not identified with a room number and materials were determined to be present in that space, the Baker field team assigned the space with a number and recorded this number on the floor plan.

**QTY.** (Quantity) - Defined as linear footage (LF), square footage (SF), or number of each material (EA) contained in a homogeneous area.

**SAMPLE INFORMATION** - Provides information pertinent to the material sample as follows:

- NUMBER A unique identification number assigned to each material sample collected. If the material was not sampled, but rather assumed to be asbestoscontaining, ASSUMED is indicated.
- **DATE** Collection date for the sample.
- RESULT Analytical information provided by the laboratory. For those samples
  which were determined to have asbestos, the percent and type of asbestos is
  identified. The abbreviations used for the analytical results are:

AC = Actinolite CH = Chrysotile

AM = Amosite CR = Crocidolite

AN = Anthophyllite TR = Tremolite

ND = "None Detected" - No asbestos was detected in the sample

The analytical reports for all samples collected during the most recent inspection are included in Appendix D of this report. Analytical reports for samples collected during previous inspections are included with the historical records for this location.

**FRIABLE** - A material is considered friable if, when dry, it may be crumbled, pulverized, or reduced to powder by hand pressure.

**OVERALL CONDITION** - Overall condition of the material is characterized as follows:

- **UNDAMAGED** The material is in visibly good condition with no apparent damage.
- DAMAGED The material exhibits some damaged areas. In the case of localized damage, less than 25% of the material exhibits damage. In the case of distributed damage, less than 10% of the material exhibits damage.

 SIGNIFICANT DAMAGE - The material exhibits extensive damage. In the case of localized damage, equal to or greater than 25% of the material exhibits damage. In the case of distributed damage, equal to or greater than 10% of the material exhibits damage.

**TYPE OF DAMAGE** – This can be deterioration, physical damage (intentional or unintentional), or delamination.

If the material is damaged or significantly damaged, the distribution of the damage will be assessed as either Localized or Distributed.

**ACCESS.** (Accessibility) - A rating placed on a material which considers the accessibility for potential contact. It is ranked into one of three categories:

- HIGH The material is readily accessible to building occupants.
- MED The material is not so readily accessible to building occupants.
- LOW The material is not easily accessible to building occupants.

**POTENTIAL FOR AIR EROSION** - A rating placed on a material which considers the material's exposure to air currents, such as from HVAC system fans. It is ranked into one of three categories:

- HIGH The material is likely to be exposed to air currents.
- MED The material is somewhat likely to be exposed to air currents.
- **LOW** The material is not likely to be exposed to air currents.

**POTENTIAL FOR VIBRATION** - A rating placed on a material which considers the material's exposure to vibration, such as from HVAC system components. It is ranked into one of three categories:

- HIGH The material is likely to be exposed to vibration.
- MED The material is somewhat likely to be exposed to vibration.
- **LOW** The material is not likely to be exposed to vibration.

**POTENTIAL FOR DAMAGE** - A rating placed on a material which considers the accessibility for potential contact, influence of air, and influence of vibration. It is ranked into one of three categories:

- **HIGH** The material is likely to become damaged.
- **MED** The material may become damaged.
- **LOW** The material is not likely to become damaged.

**EPA ASS. CAT. (EPA Assessment Category)** - A damage classification from 1 to 7 as defined by the AHERA for known or suspect ACM:

- 1. Damaged or Significantly Damaged Thermal System Insulating ACM
- Damaged Friable Surfacing ACM
- 3. Significantly Damaged Friable Surfacing ACM
- 4. Damaged or Significantly Damaged Friable Miscellaneous ACM
- 5. ACM with the Potential for Damage
- 6. ACM with a Potential for Significant Damage
- 7. Any Remaining Friable ACM or Friable Suspected ACM
- N/A Any Remaining Material Assessed and Found to be Not Applicable to Any of the Seven Previous Categories

**CLEANING REQUIRED** – In some situations, areas containing friable ACM are required to be cleaned. A Yes or No is indicated in this column.

**RECOMMENDED MANAGEMENT ACTION** - The recommended action based on the EPA assessment category and on the judgment of the inspector based on activities of the occupants. For each asbestos material, at least one of the following management actions pertaining to all or portions of the material will be selected:

- ENCLOSE Installation of an airtight, impermeable, permanent barrier around the ACM.
- ENCAPSULATE Treatment of ACM with a penetrating or surface sealant in order to minimize the potential for fiber release.
- O&M Operations & Maintenance A program of work practices to maintain ACM in good condition, ensure clean-up of asbestos fibers previously released, and prevent further release by minimizing and controlling ACM disturbance or damage.
- REMOVE Removal of ACM from a damaged area, a functional space, or a homogeneous area as indicated.
- REPAIR Returning damaged ACM to an undamaged condition.

**BEGIN DATE / END DATE** – Each school is required to record the beginning and end dates for each recommended management action that is implemented.

**MATERIAL MANAGEMENT PROCEDURE** – For each material where operations and maintenance is recommended, a material-specific procedure is included in Appendix F.

**UNIT COST** - Estimated unit cost associated with each recommended management action. Note that, for any given ACM, there can be more than one unit cost shown, such as when a portion of an ACM needs to be repaired, and the remainder is to be maintained via O&M.

**ESTIMATED QUANTITY** - Estimated quantity of ACM associated with the recommended management action. As described for UNIT COST, there can be more than one estimated quantity shown.

**ESTIMATED COST** – Recommended management action cost obtained by multiplying UNIT COST by ESTIMATED QUANTITY. As described for UNIT COST, there can be more than one estimated cost shown.

**COMMENTS** - Additional comments may be provided to further describe the location or condition of materials, clarify sample results, or elaborate upon the recommended management action.

### WEST POINT MIDDLE SCHOOL HENYW2

									ABIL I COM													
HOMO MATRI NO.		AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	The second second second second	E INFORM	ATION RESULT	ERIABLE CONDITION OVERALL	TYPE OF DAMAGE (IF APPLICABLE)	ACCESSIBILITY	POTENTIAL FOR AIR EROSION	POTENTIAL FOR VIBRATION	POTENTIAL FOR DAMAGE	EPA ASS. CAT	CLEANING REQUIRED	RECOMMENDED MANAGEMENT ACTION	BEGIN DATE END DATE	MATERIAL MANAGEMENT PROCEDURE (IF O&M)	UNIT	ESTI- MATED QUANTITY	ESTI- MATED COST	COMMENTS
	DING NUMBE THERMAL PIPE INSULATION (WHITE COVER, BROWN, AIRCELL CORE)	R: 705 TSIACM	J101	3 LF	9-13 0102-WMS-003A 0102-WMS-003E		70% CH 60% CH 60% CH	Y UNDAMAGED		MEDIUM	LOW	LOW	MEDIUM	7	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		PIPE OR PIPE FITTING INSULATION	\$67.50	6.00HRS		THIS MATERIAL IS LOCATED NEAR THE CEILING.
	THERMAL PIPE INSULATION (WHITE, PREFORMED)	TSIACM	M101	280 LF	9-18 9-18 9-18	10/18/88 10/18/88 10/18/88	10% CR 30% AM 25% CH	Y UNDAMAGED		LOW	LOW	LOW	LOW	7	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		PIPE OR PIPE FITTING INSULATION	\$67.50	12.00HRS		THE TWO SMALL OPENINGS TO THE PIPE TUNNEL FROM THE CRAWL SPACE WERE SEALED WITH POLYETHELYNE SHEETING. THUS, AT THE TIME OF THE 2007 INSPECTION, THIS MATERIAL WAS INACCESSIBLE FOR INSPECTION DUE TO THE LIMITED ACCESS.
008	THERMAL FITTING INSULATION (WHITE, PREFORMED)	TSIACM	M101	12 EA	9-19	10/18/88	70% CH	Y UNDAMAGED		LOW	LOW .	LOW	LOW	7	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		PIPE OR PIPE FITTING INSULATION	\$67.50	6.00HRS		THE TWO SMALL OPENINGS TO THE PIPE TUNNEL FROM THE CRAWL SPACE WERE SEALED WITH POLYETHELYNE SHEETING, THUS, AT THE TIME OF THE 2007 INSPECTION, THIS MATERIAL WAS INACCESSIBLE FOR INSPECTION DUE TO THE LIMITED ACCESS.
029	SINK COATING (OFF-WHITE, ROUGH SURFACE)	MACM	A1, A2, A3, A4, B8	5 EA	98-15-1C04	11/18/91	40% CH	N UNDAMAGED		MEDIUM	LOW	LOW	MEDIUM	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		REMOVABLE ITEMS	\$67.50	1.50HRS		THIS MATERIAL IS LOCATED ON SINGLE BOWL STAINLESS STEEL SINKS IN ROOMS A-1 THROUGH A-4 AND A DOUBLE BOWL SINK IN ROOM B-8.
030	SINK COATING (BLACK, ROUGH SURFACE)	MACM	B6, B8	4 EA	9B-15-1D5	11/18/91	5% CH	N UNDAMAGED		MEDIUM	LOW	LOW	MEDIUM	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE O & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		REMOVABLE ITEMS	\$67.50	1.50HRS	\$101.25	

HOMO MATRI NO.		AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMPL	E INFORM	RESULT	OVERALL CONDITION	TYPE OF DAMAGE (IF APPLICABLE)	ACCESSIBILITY	POTENTIAL FOR AIR EROSION	POTENTIAL FOR VIBRATION	POTENTIAL FOR DAMAGE	EPA ASS. CAT	CLEANING REQUIRED	RECOMMENDED MANAGEMENT ACTION	BEGIN DATE END DATE	MATERIAL MANAGEMENT PROCEDURE (IF O&M)	UNIT	ESTI- MATED QUANTITY	ESTI- MATED COST	COMMENTS
	THERMAL PIPE INSULATION (WHITE AND BEIGE WOVEN COVER, BROWN CORRUGATED PAPER CORE)	R: 705 TSIACM	B4	90 LF	9-14-M24 9-14-M25	04/11/95 04/11/95	15% CH 12% CH	Y UNDAMAGED		LOW	LOW	LOW	LOW	7	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		PIPE OR PIPE FITTING INSULATION	\$67.50	6.00HRS		THIS MATERIAL WAS NOT ACCESSIBLE FOR INSPECTION BECAUSE IT IS CONCEALED WITHIN A VERTICAL PIPE SHAFT, LOCATED IN THE NORTH WEST CORNER OF THE CAFETERIA. THIS MATERIAL MAY ALSO BE LOCATED IN OTHER CONCEALED AREAS OF THE 1940 ADDITION.
043	SHEET GASKET (12" DIAMETER, GRAY)	MACM	B15, M101		1298-WMS-043A 1298-WMS-043B 1298-WMS-043O	12/22/98	35% CH NA NA	N UNDAMAGED		LOW	LOW	LOW	LOW	5		NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE O & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		GASKET MATERIAL AND FLEX CONNECTORS	\$67.50	1.50HRS	\$101.25	TWO GASKETS ARE LOCATED ON A DOMESTIC WATER TANK IN THE BOILER ROOM. APPROXIMATELY 10 GASKETS ARE LOCATED ON 10" HEATING PIPES CONCEALED ABOVE THE SUSPENDED CEILLING AT THE GYMNASIUM ENTRANCE.
	FLOOR ADHESIVE (BLACK, UNDER 1' X 1' WHITE WITH GRAY STREAKS VINYL FLOOR TILE)		B12, B12A, B12B, B14, B14A, B14B, B6, B6A, 114A		1298-WMS-048A 1298-WMS-048A 1298-WMS-048B 1298-WMS-048C	12/22/98	16-20% CH* 2% CH NA NA	N UNDAMAGED		LOW	LOW	LOW	LOW	5		NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE O & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		FLOOR ADHESIVE (MASTIC)	\$67.50	18.00HRS	\$1,215.00	THIS IS THE ADHESIVE FOR MATERIAL #047. "SAMPLE WAS REANALYZED USING TEM TECHNIQUES. THE RESULT OF THE ANALYTICAL TEST WAS GREATER THAN 1% ASBESTOS. THIS MATERIAL IS CONSIDERED TO BE ACM.
	VINYL FLOOR TILE (9" X 9" LIGHT BROWN)	MACM	B5A, S101.1, S102.1		1298-WMS-050A 1298-WMS-050A 1298-WMS-050B 1298-WMS-050C	12/22/98 12/22/98		N UNDAMAGED		HIGH	LOW	LOW	MEDIUM	5		NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		VINYL FLOOR TILE OR SHEETING	\$67.50	6.00HRS	\$405.00	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #051. *SAMPLE WAS REANALYZED USING TEM TECHNIQUES. THE RESULT OF THE ANALYTICAL TEST WAS GREATER THAN 1% ASBESTOS. THIS MATERIAL IS CONSIDERED TO BE ACM.
	FLOOR ADHESIVE (BLACK, UNDER 9" X 9" LIGHT BROWN VINYL FLOOR TILE AND BROWN STAIR TREADS)		B5A, \$101.1, \$101.2, \$101.3, \$102.1, \$102.2, \$102.3		1298-WMS-051A 1298-WMS-051B 1298-WMS-051C	12/22/98	4% CH NA NA	N UNDAMAGED		LOW	LOW	LOW	LOW	5		NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		FLOOR ADHESIVE (MASTIC)	\$67.50	9.00HRS	\$607.50	THIS IS THE ADHESIVE FOR MATERIALS #050 AND #053.

HOMO MATRI NO.		AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	A Company of the Comp	E INFORM	ATION RESULT	FRIABLE CONDITION OVERALL	TYPE OF DAMAGE (IF APPLICABLE)	ACCESSIBILITY	POTENTIAL FOR AIR EROSION	POTENTIAL FOR VIBRATION	POTENTIAL FOR DAMAGE	EPA ASS. CAT	CLEANING REQUIRED	RECOMMENDED MANAGEMENT ACTION	BEGIN DATE END DATE	MATERIAL MANAGEMENT PROCEDURE (IF O&M)	UNIT	ESTI- MATED QUANTITY	ESTI- MATED COST	COMMENTS
	DING NUMBE ELECTRICAL WIRE INSULATION (WHITE, ROPE-LIKE)	MACM	115, 115A	216 LF	1298-WMS-054A 1298-WMS-054B 1298-WMS-054C	12/22/98	65% CH NA NA	N UNDAMAGED		LOW	LOW	LOW	LOW*	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE O & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		ELECTRICAL WIRE INSULATION	\$67.50	3,00HRS		THIS MATERIAL IS LOCATED ON OVERHEAD SPOT LIGHTS. THERE ARE 8 FIXTURES LOCATED ABOVE THE STAGE AND 12 FIXTURES LOCATED IN THE AUDITORIUM.
	VINYL FLOOR TILE (9" X 9" GRAY WITH WHITE AND ORANGE STREAKS)		A1, A2, A3, A4	3,072 SF	1298-WMS-055A 1298-WMS-055B 1298-WMS-055C	12/22/98	4% CH NA NA	N UNDAMAGED	•	LOW	LOW	LOW	LOW	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		VINYL FLOOR TILE OR SHEETING	\$67.50	18,00HRS		THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #056. THIS MATERIAL IS LOCATED BELOW THE EXISTING CARPET AND/OR FLOORING MATERIALS.
073	CAULK (GRAY, ON INTERIOR DOOR WINDOW)	MACM	C201	10 LF	0607-WMS-073A 0607-WMS-073B 0607-WMS-073C	06/19/07	10% CH 10% CH 15% CH	N UNDAMAGED		HIGH	LOW	LOW	LOW	5		NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		SEALANT MATERIALS	\$67.50	1.50HRS	\$101.25	
074	CAULK (BLACK, ON HVAC UNIT)	MACM	ROOF		0607-WMS-074A 0607-WMS-074B 0607-WMS-074C	06/19/07	ND ND 5% CH	N UNDAMAGED		LOW	LOW	LOW	LOW	5		NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		SEALANT MATERIALS	\$67.50	1.50HRS	\$101.25	
075	ASPHALTIC ROOFING MATERIALS (SINGLE-PLY, FLEXIBLE MEMBRANE WITH BALLAST)	MACM	ROOF	17,046 SF	ASSUMED ACM	06/19/07		N UNDAMAGED		LOW	LOW	LOW	LOW	5		NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		EXTERIOR WEATHERPROOFING MATERIALS	\$67.50	18,00HRS		THIS MATERIAL WAS NOT SAMPLED DUE TO POTENTIAL DAMAGE TO THE ROOF. ALL OF THE COMPONENTS OF THIS ROOFING SYSTEM SHOULD BE SAMPLED PRIOR TO RENOVATION OR REMOVAL OF ANY PART OF THIS ROOF.

HOMO. MATRL NO.	MATERIAL TYPE (MATERIAL DESCRIPTION)	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMPLE	INFORM DATE	IATION RESULT	OVERALL CONDITION	TYPE OF DAMAGE (IF APPLICABLE)	ACCESSIBILITY	POTENTIAL FOR AIR EROSION	POTENTIAL FOR VIBRATION	POTENTIAL FOR DAMAGE	EPA ASS. CAT	CLEANING REQUIRED	RECOMMENDED MANAGEMENT ACTION	BEGIN DATE END DATE	MATERIAL MANAGEMENT PROCEDURE (IF O&M)	UNIT COST	ESTI- MATED QUANTITY	ESTI- MATED COST	COMMENTS
076	ING NUMBE ASPHALTIC ROOFING MATERIALS (BUILT-UP WITH BALLAST)	R: 705 MACM	ROOF	43,953 SF	ASSUMED ACM	06/19/07		N UNDAMAGED		LOW	LOW	LOW	LOW		No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		EXTERIOR WEATHERPROOFING MATERIALS	\$67.50	18.00HRS	\$1,215.00	THIS MATERIAL WAS NOT SAMPLED DUE TO POTENTIAL DAMAGE TO THE ROOF. ALL OF THE COMPONENTS OF THIS ROOFING SYSTEM SHOULD BE SAMPLED PRIOR TO RENOVATION OR REMOVAL OF ANY PART OF THIS ROOF.
091	ING NUMBEI ASPHALTIC ROOFING MATERIALS (MODIFIED BITUMEN)	R: 705C MACM	ROOF	25,597 SF	ASSUMED ACM	06/21/07		N UNDAMAGED		LOW	LOW	LOW	LOW	5	No	NO IMMEDIATE     ABATEMENT REQUIRED.     CONSULT THE 0 & M     MANUAL CONCERNING     SAFE CUSTODIAL     PROCEDURES FOR THIS     MATERIAL.     CONTINUE     SURVEILLANCE OF THIS     MATERIAL UNDER THE     ASBESTOS     MANAGEMENT PLAN.		EXTERIOR WEATHERPROOFING MATERIALS	\$67.50	18.00HRS	\$1,215.00	THIS MATERIAL WAS NOT SAMPLED DUE TO POTENTIAL DAMAGE TO THE ROOF. ALL OF THE COMPONENTS OF THIS ROOFING SYSTEM SHOULD BE SAMPLED PRIOR TO RENOVATION OR REMOVAL OF ANY PART OF THIS ROOF.

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	ION	COMMENTS
NO.	DESCRIPTION)	<b>5</b> 7	200/111011(0)	307.11111	NUMBER	DATE	RESULT	33 <u>2</u> 3
BUILDI	NG NUMBER: 705							
	CEILING TILES (2' X 4' WHITE, PINHOLE, LARGE FISSURED, SUSPENDED)	MACM	A1, A2, A3, A4, B4, B5B, B8, B9, C105, C208, S105.1, S105.2	1,350SF	9-27 9-28 9-29	10/18/88 10/18/88 10/18/88	ND ND ND	
	CEILING TILES (2' X 4' WHITE, PINHOLE, SMALL FISSURED, SUSPENDED)	MACM	B10, B12, B12A, B12B, B14, B14A, B14B, B2, B3, B6, B6A, C101, C102, C201, C202, C204, C205, C301, C302, C303, J102, S103.1, S103.2, S103.A, T102, T104, T105, T106, T107, T201, T201A, T202, T202A, T302, T303, 100, 100A, 102, 107, 108, 109, 110, 110A, 112, 114, 114A, 121, 122, 205, 206, 207, 216, 217, 218, 221	1,400SF	9-30 9-31	10/18/88 10/18/88	ND ND	
	CEILING TILES (1' X 1' WHITE, DENSELY FISSURED, GLUED-ON)	MACM	S101.1, S102.1	2,100SF	9-32 9-33 9-34 9-35	10/18/88 10/18/88 10/18/88 10/18/88	ND ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #021.
	CEILING TILES (2' X 2' WHITE, PINHOLE, ROUGH SURFACE, SUSPENDED)	MACM	B1, B15	5,000SF	9-36 9-37 9-38 9-39	10/18/88 10/18/88 10/18/88 10/18/88	ND ND ND ND	
	CEILING TILE ADHESIVE (BROWN, UNDER 1' X 1' WHITE, DENSELY FISSURED, GLUED-ON CEILING TILES)	MACM	S101.1, S102.1	2,100SF	9-40	10/18/88	ND	THIS IS THE ADHESIVE FOR MATERIAL #019.
	WALL AND CEILING TILE (1' X 1' WHITE, LARGE FISSURED, GLUED-ON)	MACM	A1, A2, A3, A4, B8, C104, C105, C208, 207	750SF	9-41 9-42	10/18/88 10/18/88	ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #049.
	WALL TILE (1' X 1' WHITE, SPARSELY FISSURED, GLUED-ON)	MACM	C302, S101.1, S102.1	920SF	9-43 9-44	10/18/88 10/18/88	ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #028.
	WALLBOARD (3/8" THICK, WHITE SURFACE, TAN PAPER, WHITE CORE)	MACM	B12, B12A, B14, B6, B6A, C102, C201, M102, S103.1, S103.2, S103.A, 100, 100A	1,350SF	9-50 9-54	10/18/88 10/18/88	ND ND	THE JOINT COMPOUND FOR THIS MATERIAL IS MATERIAL #057. THERE IS NO JOINT COMPOUND IN ROOM K03.
	WALL TILE ADHESIVE (TAN, UNDER 1' X 1' WHITE, SPARSELY FISSURED, GLUED-ON WALL TILES)	MACM	C302, S101.1, S102.1	920SF	9A-27-1B03	11/18/91	ND	THIS IS THE ADHESIVE FOR MATERIAL #023.

HOMO. MATRL.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMPI	LE INFORMAT	TION	COMMENTS
NO.	DESCRIPTION)				NUMBER	DATE	RESULT	
BUILDI	NG NUMBER: 705							
033	FIRE DOOR LINING (BEIGE)	MACM	C204	2EA	9-7-5A01 9-7-5A02	04/11/95 04/11/95	ND ND	
034	COVE BASE (4" GRAY VINYL)	MACM	A1, A2, A3, A4, B10, B12, B12A, B12B, B14, B14A, B14B, B6, B6A, B8, B8A, B9, B9A, C101, C102, C201, C202, S103.1, 109	1,500LF	9-15-5B03 9-15-5B04 9-16-5B05 9-16-5B06	04/11/95 04/11/95 04/11/95 04/11/95	ND ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #035.
035	COVE BASE ADHESIVE (YELLOW, UNDER 4" GRAY VINYL COVE BASE)	MACM	A1, A2, A3, A4, B10, B12, B12A, B12B, B14, B14A, B14B, B6, B6A, B8, B8A, B9, B9A, C101, C102, C201, C202, S103.1, 109	1,500LF	9-15-5C07 9-15-5C08 9-15-5C09	04/11/95 04/11/95 04/11/95	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #034.
036	STAGE CURTAINS (MAROON)	MACM	115A	900SF	9-2-5D10	04/11/95	ND	
037	STAGE CURTAINS (BEIGE, BACKING)	MACM	115A	900SF	9-2-5E11	04/11/95	ND	
038	COVE BASE (4" BLACK VINYL)	MACM	B5A, 110, 112, 114, 114A	300LF	9-28-5F12 9-28-5F13 9-28-5F14	04/11/95 04/11/95 04/11/95	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #039.
039	COVE BASE ADHESIVE (YELLOW, UNDER 4" BLACK VINYL COVE BASE)	MACM	B5A, 110, 112, 114, 114A	300LF	9-28-5G15 9-28-5G16	04/11/95 04/11/95	ND ND	THIS IS THE ADHESIVE FOR MATERIAL #038.
040	WALL PLASTER (1/4" THICK, WHITE, SMOOTH SURFACE ON METAL LATH)	SACM	A1A, A2A, A2B, A3A, A4A, B1, B10, B12B, B13, B15, B15A, B2, B3, B6, B6A, B6B, C102, C103, C104, C202, C203, C204, C205, C206, C301, C302, C303, J101, J301, S101.1, S101.2, S101.3, S102.1, S102.2, S102.3, S104.1, S104.2, T101, T102, T103, T104, T105, T201, T201A, T202, T202A, T301, T302, T303, T304, 100, 100A, 102, 107, 108, 109, 115, 115A, 121, 122, 205, 205A, 206, 207, 213, 215, 216, 217, 218, 221	50,000SF	9-16-5H22 9-16-5H23 9-7-5H17 9-7-5H18 9-7-5H19 9-9-5H20 9-9-5H21	04/11/95 04/11/95 04/11/95 04/11/95 04/11/95 04/11/95 04/11/95	ND ND ND ND ND ND	
042	FLOOR ADHESIVE (YELLOW, UNDER BLUE CARPETING)	MACM	A1, A2, A3, A4, B1, B10, B12, B12A, B2, B3, 100, 100A, 102, 107, 108, 109, 110, 110A, 112, 112A, 114, 121, 122, 206, 207, 216, 217, 218, 221	13,000SF	1298-WMS-042A 1298-WMS-042B 1298-WMS-042C	12/22/98 12/22/98 12/22/98	ND ND ND	

HOMO. MATRL.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	TION	COMMENTS
NO.	DESCRIPTION)				NUMBER	DATE	RESULT	
BUILDI	NG NUMBER: 705							
047	VINYL FLOOR TILE (1' X 1' WHITE WITH GRAY STREAKS)	MACM	B12, B12A, B12B, B14, B14A, B14B, B6, B6A, 114A	4,821SF	1298-WMS-047A 1298-WMS-047B 1298-WMS-047C	12/22/98 12/22/98 12/22/98	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #048. THIS MATERIAL IS SIMILAR IN APPEARANCE TO MATERIAL #070 BUT HAS A DIFFERENT CONSTRUCTION HISTORY.
	CEILING TILE ADHESIVE (DARK BROWN, UNDER 1' X 1' WHITE, LARGE FISSURED, GLUED-ON WALL AND CEILING TILES)	MACM	A1, A2, A3, A4, B8, C104, C105, C208, 207	1,020SF	1298-WMS-049A 1298-WMS-049A 1298-WMS-049B 1298-WMS-049B 1298-WMS-049C 1298-WMS-049C	12/22/98 12/22/98 12/22/98 12/22/98 12/22/98 12/22/98	<1% CH * 2% CH <1% CH * NA <1% CH * NA	THIS IS THE ADHESIVE FOR MATERIAL #022 AND 1' X 1' FIBERGLASS CEILING TILE WITH A BUMPY SURFACE. *SAMPLE WAS REANALYZED USING TEM TECHNIQUES. THE RESULT OF THE ANALYTICAL TEST WAS LESS THAN 1% ASBESTOS. THIS MATERIAL IS NOT CONSIDERED TO BE ACM.
	WALL AND CEILING PLASTER (WHITE ROUGH SURFACE, GRAY CORE ON METAL LATH)	SACM	A1, A2, A3, A4, B4, B5, B5A, B5B, B8, B8A, B9, B9A, C105, C106, C107, C207, C208, J102, T106, T107	11,000SF	1298-WMS-052A 1298-WMS-052B 1298-WMS-052C 1298-WMS-052D 1298-WMS-052E 1298-WMS-052F 1298-WMS-052G	12/22/98 12/22/98 12/22/98 12/22/98 12/22/98 12/22/98 12/22/98	ND ND ND ND ND ND	
	VINYL FLOOR SHEETING (BROWN STAIR TREADS)	MACM	S101.1, S101.2, S101.3, S102.1, S102.2, S102.3	272SF	1298-WMS-053A 1298-WMS-053B 1298-WMS-053C	12/22/98 12/22/98 12/22/98	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #051.
	FLOOR ADHESIVE (BLACK, UNDER 9" X 9" GRAY WITH WHITE AND ORANGE STREAKS VINYL FLOOR TILE)	MACM	A1, A2, A3, A4	3,072SF	1298-WMS-056A 1298-WMS-056B 1298-WMS-056C	12/22/98 12/22/98 12/22/98	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #055.
057	JOINT COMPOUND (WHITE)	MACM	B12, B12A, B14, B6, B6A, C102, C201, S103.1, S103.2, S103.A, 100, 100A	124SF	0102-WMS-057A 0102-WMS-057B 0102-WMS-057C	01/25/02 01/25/02 01/25/02	ND ND ND	THIS IS THE JOINT COMPOUND FOR MATERIAL #025.
	VINYL FLOOR SHEETING (BEIGE WITH GRAY PEBBLED DESIGN WITH GRAY PAPER BACKING)	MACM	B4	1,200SF	0102-WMS-058A 0102-WMS-058B 0102-WMS-058C	01/25/02 01/25/02 01/25/02	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #059.
	FLOOR ADHESIVE (YELLOW, UNDER BEIGE WITH GRAY PEBBLED DESIGN VINYL FLOOR SHEETING)		B4	1,200SF	0102-WMS-059A 0102-WMS-059B 0102-WMS-059C	01/25/02 01/25/02 01/25/02	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #058.
	CEILING TILES (2' X 4' PINHOLE, ROUGH SURFACE, SUSPENDED)	MACM	B5A	20SF	0102-WMS-060A 0102-WMS-060B 0102-WMS-060C	01/25/02 01/25/02 01/25/02	ND ND ND	

HOMO.	TRL. (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	ΓΙΟΝ	COMMENTS
NO.		OAI.	ESSATION(S)	QOARTIT	NUMBER	DATE	RESULT	COMMENTO
BUILDI	NG NUMBER: 705							
061	FLOOR ADHESIVE (YELLOW, UNDER RED CARPET)	MACM	115, 215	1,650SF	0102-WMS-061A 0102-WMS-061B 0102-WMS-061C	01/25/02 01/25/02 01/25/02	ND ND ND	
062	FLOOR ADHESIVE (BROWN, UNDER BROWN 2' X 2' RAISED DOT RUBBER FLOOR TILE)	MACM	E101.1, E101.2, E101.3	16SF	0102-WMS-062A 0102-WMS-062B 0102-WMS-062C	01/25/02 01/25/02 01/25/02	ND ND ND	
063	CEMENT FLOORING (3' X 8' SLABS, OFF WHITE WITH GRAY AND BLACK STONE TERRAZZO)	MACM	C103, C104, C202, C203, C204, C205, C206, C301, C302, C303, T102, T104, T201, T201A, T202, T202A, T301, T302, T303, T304	2,468SF	0404-WMS-063A 0404-WMS-063B 0404-WMS-063C	04/29/04 04/29/04 04/29/04	ND ND ND	
064	WINDOWSILLS (4" X 48" BLACK)	MACM	C201, 110, 112, 114	16EA	0404-WMS-064A 0404-WMS-064B 0404-WMS-064C	04/29/04 04/29/04 04/29/04	ND ND ND	
065	CEMENT FLOORING (TAN, WITH BLACK SPECKS)	MACM	B5, B8, B8A, B9, B9A, C102, C105, C108, C208	2,220SF	0404-WMS-065A 0404-WMS-065B 0404-WMS-065C	04/29/04 04/29/04 04/29/04	ND ND ND	
066	CEMENT FLOORING (3' X 8' SLABS, WHITE WITH GRAY PEBBLES TERRAZZO)	MACM	B5, C101, C102, C201, S103.1, S103.2, S103.A	930SF	0404-WMS-066A 0404-WMS-066B 0404-WMS-066C	04/29/04 04/29/04 04/29/04	ND ND ND	
067	WINDOWSILLS (2" X 48" BLACK)	MACM	B8, B9	16EA	0404-WMS-067A 0404-WMS-067B 0404-WMS-067C	04/29/04 04/29/04 04/29/04	ND ND ND	
068	TABLETOPS (1" THICK, BLACK)	MACM	В9	2EA	0404-WMS-068A 0404-WMS-068B 0404-WMS-068C	04/29/04 04/29/04 04/29/04	ND ND ND	
069	CHALKBOARDS (5' X 4' BLACK PANELS IN WOOD FRAME)	MACM	102, 107, 108, 109, 121, 122, 206, 207, 216, 217	62EA	0404-WMS-069A	04/29/04	ND	
070	VINYL FLOOR TILE (1' X 1' WHITE WITH GRAY STREAKS)	MACM	207	48SF	0404-WMS-070A 0404-WMS-070B 0404-WMS-070C	04/29/04 04/29/04 04/29/04	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #071. THIS MATERIAL IS SIMILAR IN APPEARANCE TO MATERIAL #047 BUT HAS A DIFFERENT CONSTRUCTION HISTORY.

HOMO. MATRL.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	ION	COMMENTS
NO.	DESCRIPTION)	OAT.	EGOATION(O)	QOANTIT	NUMBER	DATE	RESULT	GOMMENTO
BUILDI	NG NUMBER: 705							
	FLOOR ADHESIVE (BROWN, UNDER 1' X 1' WHITE WITH GRAY STREAKS VINYL FLOOR TILE)	MACM	207	48SF	0404-WMS-071A 0404-WMS-071B 0404-WMS-071C	04/29/04 04/29/04 04/29/04	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #070.
	CAULK (BLACK, EXTERIOR WINDOW GLAZING)	MACM	BUILDING EXTERIOR	35LF	0607-WMS-072A 0607-WMS-072B 0607-WMS-072C	06/19/07 06/19/07 06/19/07	ND ND ND	
078	THERMAL FITTING INSULATION (WHITE)	TSIACM	205	1EA	0607-WMS-078A 0607-WMS-078B 0607-WMS-078C	06/20/07 06/20/07 06/20/07	ND ND ND	

HOMO.		AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	ION	COMMENTS
	`	OAI.	250411011(0)	QOARTITI	NUMBER	DATE	RESULT	COMMENTO
BUILDI	NG NUMBER: 705C							
068	COVE BASE ADHESIVE (CREAM, UNDER 4" BLACK RUBBER COVE BASE)	MACM	C101, 101, 107, 115, 116, 117, 118, 119, 120, 121	502LF	0404-WES-068A 0404-WES-068B 0404-WES-068C	04/28/04 04/28/04 04/28/04	ND ND ND	
069	WALL AND CEILING BOARD (1/2" THICK, WHITE SURFACE, TAN PAPER, WHITE CORE)	MACM	C101, C102, M201, 101, 102, 107, 116, 117, 125, 126, 127, 132	1,490SF	0404-WES-069A 0404-WES-069B 0404-WES-069C	04/28/04 04/28/04 04/28/04	ND ND ND	THE JOINT COMPOUND FOR THIS MATERIAL IS MATERIAL #070.
070	JOINT COMPOUND (WHITE)	MACM	C101, C102, M201, 101, 102, 107, 116, 117, 125, 126, 127, 132	149SF	0404-WES-070A 0404-WES-070B 0404-WES-070C	04/28/04 04/28/04 04/28/04	ND ND ND	THIS IS THE JOINT COMPOUND FOR MATERIAL #069.
071	FLOOR ADHESIVE (GREEN, UNDER 4' X 4' BLACK AND GRAY CARPET SQUARES)	MACM	C102	450SF	0404-WES-071A 0404-WES-071B 0404-WES-071C	04/28/04 04/28/04 04/28/04	ND ND ND	
072	CEILING TILES (2' X 2' WHITE, RIBBED SURFACE, SUSPENDED)	MACM	C102, C201, M201, 101, 115, 116, 117, 118	1,622SF	0404-WES-072A 0404-WES-072B 0404-WES-072C	04/28/04 04/28/04 04/28/04	ND ND ND	
073	CEILING TILES (2' X 2' WHITE, SLIGHTLY GRITTY SURFACE, SUSPENDED)	MACM	101, 102, 107, 132	500SF	0404-WES-073A 0404-WES-073B 0404-WES-073C	04/28/04 04/28/04 04/28/04	ND ND ND	
074	VINYL FLOOR TILE (1' X 1' BLACK)	MACM	101, 102, 107, 132	150SF	0404-WES-074A 0404-WES-074B 0404-WES-074C	04/28/04 04/28/04 04/28/04	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #076. THIS MATERIAL FORMS A PATTERN WITH MATERIAL #075.
075	VINYL FLOOR TILE (1' X 1' WHITE)	MACM	101, 102, 107, 132	150SF	0404-WES-075A 0404-WES-075B 0404-WES-075C	04/28/04 04/28/04 04/28/04	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #076. THIS MATERIAL FORMS A PATTERN WITH MATERIAL #074.
076	FLOOR ADHESIVE (WHITE, UNDER 1' X 1' BLACK AND 1' X 1' WHITE VINYL FLOOR TILES)	MACM	101, 102, 107, 132	300SF	0404-WES-076A 0404-WES-076B 0404-WES-076C	04/28/04 04/28/04 04/28/04	ND ND ND	THIS IS THE ADHESIVE FOR MATERIALS #074 AND #075.
077	VINYL FLOOR TILE (1' X 1' LIGHT GRAY MOTTLED WITH DARK GRAY)	MACM	118, 119, 121	1,500SF	0404-WES-077A 0404-WES-077B 0404-WES-077C	04/28/04 04/28/04 04/28/04	ND ND ND	THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #078.

HOMO. MATRL.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QUANTITY	SAMP	LE INFORMAT	ION	COMMENTS
NO.	DESCRIPTION)	CAI.	LOCATION(S)	QOANIIII	NUMBER	DATE	RESULT	COMMENTS
BUILDI	NG NUMBER: 705C							
	FLOOR ADHESIVE (GRAY, UNDER 1' X 1' LIGHT GRAY MOTTLED WITH DARK GRAY VINYL FLOOR TILE)	MACM	118, 119, 121	1,500SF	0404-WES-078A 0404-WES-078B 0404-WES-078C	04/28/04 04/28/04 04/28/04	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #077.
	VINYL FLOOR TILE (1' X 1' BLUE, 1' X 1' TAN, AND 1' X 1' GRAY)	MACM	101, 115, 116, 117, 118	1,022SF	0404-WES-079A 0404-WES-079B 0404-WES-079C	04/28/04 04/28/04 04/28/04	ND ND ND	THE BLUE, TAN, AND GRAY TILES FORM A PATTERN. THE ADHESIVE FOR THIS MATERIAL IS MATERIAL #080.
	FLOOR ADHESIVE (WHITE, UNDER 1' X 1' BLUE, 1' X 1' TAN, AND 1' X 1' GRAY VINYL FLOOR TILES)	MACM	101, 115, 116, 117, 118	1,022SF	0404-WES-080A 0404-WES-080B 0404-WES-080C	04/28/04 04/28/04 04/28/04	ND ND ND	THIS IS THE ADHESIVE FOR MATERIAL #079.

#### TABLE 3 - SUMMARY OF PREVIOUSLY IDENTIFIED MATERIALS THAT COULD NOT BE LOCATED

HOMO.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QTY.	SAMP	LE INFORMAT	ION	COMMENTS
NO.	DESCRIPTION)	CAI.	LOCATION(S)	QII.	NUMBER	DATE	RESULT	COMMENTS
BUII DI	NG NUMBER: 70	5						
001	INTERNAL BOILER INSULATION (BLOCK)	TSIACM	M101	0 SF	9-23	10/18/88	30% AM	4 SF OF THIS MATERIAL WERE REMOVED IN 1990.
002	FIREPROOFING (SPRAY-ON FINISH)	SACM	M101	0 SF	9-12	10/18/88	35% CH	700 SF OF THIS MATERIAL WERE REMOVED IN 1990.
004	THERMAL FITTING INSULATION (AIRCELL)	TSIACM	A01, C101, C102, C105, C201, C202, C204, C205, C208, C302, M101, 115	0 EA	9-14	10/18/88	60% CH	156 FITTINGS WERE REMOVED FROM THE BOILER ROOM AND CRAWL SPACE IN 1990 AND FROM THE REMAINING AREAS IN 1994.
005	THERMAL PIPE INSULATION (CARDBOARD)	TSIACM	M101	0 LF	9-16	10/18/88	55% CH	265 LF OF THIS MATERIAL WERE REMOVED IN 1990.
006	THERMAL FITTING INSULATION (CARDBOARD)	TSIACM	M101	0 EA	9-17	10/18/88	50% CH	45 FITTINGS WERE REMOVED IN 1990.
009	MECHANICAL EQUIPMENT INSULATION (SECTION PACKING)	TSIACM	M101	0 SF	9-20	10/18/88	65% CH	80 SF OF THIS MATERIAL WERE REMOVED IN 1994.
010	BREECHING/STACK INSULATION (FLUE)	TSIACM	M101	0 SF	9-21 9-21	10/18/88 10/18/88	35% AM 25% CH	450 SF OF THIS MATERIAL WERE REMOVED IN 1994.
011	MECHANICAL EQUIPMENT INSULATION (FLUFF INSULATION)	TSIACM	M101	0 SF	9-22 9-22	10/18/88 10/18/88	35% AM 25% CH	100 SF OF THIS MATERIAL WERE REMOVED IN 1994.
013	FLEX CONNECTOR (EXPANSION JOINTS)	MACM	B4	0 SF	9-26	10/18/88	70% CH	12 SF OF THIS MATERIAL WERE REMOVED PRIOR TO THE 1994 REINSPECTION.
014	CEILING TILE ADHESIVE (MASTIC)	MACM	B5	1 SF	9-25	10/18/88	2% CH	AT THE TIME OF THE 1998 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.

#### TABLE 3 - SUMMARY OF PREVIOUSLY IDENTIFIED MATERIALS THAT COULD NOT BE LOCATED

HOMO. MATRL.	MATERIAL TYPE (MATERIAL	AHERA CAT.	MATERIAL LOCATION(S)	QTY.	SAMPL	_E INFORMAT	TON	COMMENTS
NO.	DESCRIPTION)	CAI.	LOCATION(3)	QII.	NUMBER	DATE	RESULT	COMMENTS
BUILDI	NG NUMBER: 70	5						
015	WALL AND CEILING BOARD (THERMAL BOARD)	MACM	B5	0 SF	9-24	10/18/88	20% CH	15 SF OF THIS MATERIAL WERE REMOVED PRIOR TO THE 1991 REINSPECTION.
016	THERMAL FITTING INSULATION (JOINT)	TSIACM	B15, B4, B5, C101, C102, C105, C201, C202, C204, C205, C208, C302, M101, 115	275 EA	9-15	10/18/88	ND	AT THE TIME OF THE 1998 SURVEY, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
024	CEILING INSULATION (INSULATION MUD)	MACM	M101	300 LF	9-45 9-46 9-47	10/18/88 10/18/88 10/18/88	ND ND ND	AT THE TIME OF THE 1998 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
026	CAULK (ON WINDOWS)	MACM	M101	100 SF	9-52	10/18/88	ND	AT THE TIME OF THE 1998 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
027	CEILING TILES (2' X 2')	MACM	102	0 SF	9A-15-1A01 9A-15-1A02	11/18/91 11/18/91	ND ND	AT THE TIME OF THE 1998 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
031	SHEET GASKET (ON BOILERS)	MACM	M101	0 SF	ASSUMED ACM	11/18/91		THIS MATERIAL WAS REMOVED WHEN THE BOILERS WERE REFURBISHED IN 1995.
032	INTERNAL BOILER INSULATION (METAL JACKET ENCLOSED)	TSIACM	M101	0 EA	ASSUMED ACM	11/18/91		AT THE TIME OF THE 1998 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
044	DUST/DEBRIS (GRAY FLUFF)	MACM	M101	1 SF	1298-WMS-044A 1298-WMS-044A 1298-WMS-044B 1298-WMS-044C	12/22/98 12/22/98 12/22/98 12/22/98	20% AM 30% CH NA NA	AT THE TIME OF THE 2001 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
045	EXTERNAL BOILER INSULATION (GRAY)	TSIACM	M101	4 SF	1298-WMS-045A 1298-WMS-045B 1298-WMS-045C	12/22/98 12/22/98 12/22/98	ND ND ND	AT THE TIME OF THE 2001 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.
046	CAULK (WHITE)	MACM	M101	6 LF	1298-WMS-046A 1298-WMS-046B 1298-WMS-046C	12/22/98 12/22/98 12/22/98	ND ND ND	AT THE TIME OF THE 2001 AHERA INSPECTION, THIS PREVIOUSLY IDENTIFIED MATERIAL COULD NOT BE LOCATED.

### Operations and Maintenance Procedures for ACM

MATERIAL MANAGEMENT PROCEDURE FOR: Electrical Wire Insulation

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Not Applicable

#### **MAINTENANCE AND REPAIR PROCEDURES:**

Damaged electrical wiring should be replaced rather than repaired.

Removal: To remove building electrical wiring:

- Active electrical wiring should not be removed
- Shut off electricity
- Clean work area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage electrical wiring:

Normal electrical safety procedures should be followed

**MATERIAL MANAGEMENT PROCEDURE FOR:** Exterior Weatherproofing Materials

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Refer to requirements in Section 3.2.1

#### **MAINTENANCE AND REPAIR PROCEDURES:**

The following procedures must be followed to protect building occupants if weatherproofing materials require maintenance or repair. These procedures apply only to activities involving 1.0 square meter or less of material.

Repair: To repair damaged area:

Patch holes, gouges or rips with compatible non-asbestos patching material

Paint repaired area with exterior grade latex paint

Clean work area in accordance with Appendix G

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage weatherproofing materials. For example:

Do <u>NOT</u> cut, saw, or drill material

Do NOT walk or stand on surfaces covered with weatherproofing

Do <u>NOT</u> lean ladder or scaffolds against surfaces covered by weatherproofing materials

MATERIAL MANAGEMENT PROCEDURE FOR: Floor Adhesive (Mastic)

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

SURVEILLANCE: Refer to requirements in Section 3.2.9

LABELING: Not Applicable

#### MAINTENANCE AND REPAIR PROCEDURES:

Projects accomplished by trained personnel should not exceed 1.0 square meter.

Removal: To remove floor tile adhesive:

Soak material with hot water

- Remove damaged overlying tile with hand tools
- Remove adhesive material with hand tools
- Clean work area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage floor adhesive:

- Never dry-grind floor adhesive
- Never dry-scrape floor adhesive

MATERIAL MANAGEMENT PROCEDURE FOR: Gasket Material and Flex Connectors

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Refer to requirements in Section 3.2.1

#### MAINTENANCE AND REPAIR PROCEDURES:

The procedures below must be followed to protect building occupants if these materials require maintenance or repair.

Repair: Do not repair damaged gaskets or flex connectors. Replace with non-asbestos materials.

Removal: To remove and replace:

- Shut down ventilation system, if applicable
- Isolate air duct section, if applicable
- Thoroughly wet exposed material using a spray bottle
- Loosen bolts on flanges holding material in place
- Carefully remove all material, periodically wetting with water from a spray bottle
- Thoroughly clean entire area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage gasket cloth materials. For example:

- Do <u>NOT</u> cut, saw, or drill holes in gaskets or connectors
- Do NOT damage intact material
- Do NOT use an ordinary vacuum or dry sweeping to clean debris

MATERIAL MANAGEMENT PROCEDURE FOR: Pipe or Pipe Fitting Insulation

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

**LABELING:** Refer to requirements in Section 3.2.1

MAINTENANCE AND REPAIR PROCEDURES:

The following procedures must be followed to protect building occupants if pipe or pipe fitting insulation requires maintenance or repair. These procedures apply only to activities involving less than 1.0 linear meter. To remove or repair damaged areas, use the glove bag

procedure following manufacturer's instructions.

Repair: To repair damaged insulation:

Thoroughly wet damaged area using a spray bottle

Remove loose or damaged material

Replace missing or removed insulation with non-asbestos insulating cement or

preformed insulation

Cover entire replacement insulation with plastic-type lagging or other premolded

insulation covering

Paint repaired area with bonding encapsulant

Thoroughly clean entire area after repair in accordance with Appendix G

Dispose of all debris in accordance with Section 3.2.6

Prevent Damage: Damage to insulation can be prevented by implementing one or more of

the following:

Post warning signs

Restrict access to area

Construct a permanent barrier around pipe

Cover pipe and fittings with preformed metal or PVC jackets

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage pipe or fitting insulation. For example:

- Do <u>NOT</u> cut, saw, or drill insulation
- Do <u>NOT</u> damage intact insulation
- Do <u>NOT</u> use an ordinary vacuum or dry sweeping to clean debris
- Do <u>NOT</u> climb, walk, or stand on pipe insulation

MATERIAL MANAGEMENT PROCEDURE FOR: Removable Items

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

SURVEILLANCE: Refer to requirements in Section 3.2.9 if items are not removed

immediately

**LABELING:** Not Applicable

MAINTENANCE AND REPAIR PROCEDURES:

Small removable items such as Bunsen burner pads, hot plate pads, gloves, etc., should be

removed and replaced with non-asbestos items. Use the following procedures:

Wet all items with spray bottle

Clean up any debris or residue in accordance with Appendix G

Dispose of items in accordance with Section 3.2.6

Large removable items such as sinks with ACM lining, kilns, file cabinets, safes, etc., should

be removed and replaced with non-asbestos items. Use the following procedures:

Wet exposed ACM surfaces with spray bottle

Double wrap item in 6 mil polyethylene

Affix warning label (which may be cut off smaller disposal bags and taped on)

Clean up any debris or residue in accordance with Appendix G

Dispose of items in accordance with Section 3.2.6

The removal of ACM from electrical equipment, (e.g., electrical cords) must be performed on

disconnected electrical equipment. This type of removal should be performed only by

personnel knowledgeable and proficient in both electrical equipment repair and asbestos

removal techniques. To prevent potential shock hazards, these materials must not be

wetted until disconnected and not adjacent to energized wires and equipment.

### **SAFE CUSTODIAL PROCEDURES:**

Routine cleaning and dusting will be accomplished on large removable items such as safes and file cabinets by misting and wet wiping. Dry wiping techniques will not be used.

MATERIAL MANAGEMENT PROCEDURE FOR: Sealant Materials

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Refer to requirements in Section 3.2.1

MAINTENANCE AND REPAIR PROCEDURES:

The following procedures must be followed to protect building occupants if sealant materials require maintenance or repair. These procedures apply only to activities involving 1.0 meter

or less of material.

Repair: To repair damaged area:

Patch holes, gouges or rips with compatible non-asbestos patching material

Cover repaired area with exterior grade latex paint or penetrating encapsulant

Clean work area in accordance with Appendix G

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage sealant materials. For example:

Do <u>NOT</u> cut, saw, or drill material

Do <u>NOT</u> lean items against surfaces covered by sealant materials

Do NOT rub abrasively on surfaces of sealant materials

MATERIAL MANAGEMENT PROCEDURE FOR: Vinyl Floor Tile or Sheeting

INITIAL AND ADDITIONAL CLEANING: Refer to Table 1

**SURVEILLANCE:** Refer to requirements in Section 3.2.9

LABELING: Not Applicable

#### MAINTENANCE AND REPAIR PROCEDURES:

Damaged vinyl floor material should be replaced rather than repaired. Projects accomplished by trained personnel should not exceed 1.0 square meter.

Removal: To remove floor tile or section of vinyl sheeting:

Soak material with hot water

- Remove tile or sheet with hand tools
- Clean work area in accordance with Appendix G
- Dispose of all debris in accordance with Section 3.2.6

<u>Restricted Activities:</u> Maintenance staff must avoid activities that will damage vinyl floor material. For example:

- Do <u>NOT</u> cut, saw, or drill holes in vinyl material
- Do <u>NOT</u> use power sanders or chippers
- Do <u>NOT</u> perform dry stripping
- Do <u>NOT</u> use power disc strippers with steel wool pads
- Buff at slow speeds (175-190 RPM) with a low abrasive pad